



**Islamic Emirate of Afghanistan**  
**Ministry of Transport & Aviation**  
**Afghanistan meteorological Department**  
**Forecast Division**  
**Satellite General Management**



Daily reports of Satellite imagery analysis. Date & Time: 21/01/2026, 09:00 UTC

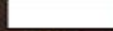
No	Region	Air Mass	Dust Storm	Thunder storm	Cloud	Fog	Water Vapor	Cyclone & Anticyclone	Jetstream	Comments
1	North	✓	X	X	✓	X	✓ moderate	X	X	
2	South	X	✓	X	✓	X	✓ moderate	X	X	
3	West	✓	✓	X	✓	X	✓ moderate	X	X	
4	East	X	X	X	✓	X	✓ moderate	X	X	
5	central	X	X	X	✓	X	✓ moderate	X	X	
6	Northeast	✓	X	X	✓	X	✓ moderate	X	X	
7	Southeast	X	X	X	✓	X	✓ moderate	X	X	
8	Northwest	✓	X	X	✓	X	✓ moderate	X	X	
9	Southwest	X	✓	X	X	X	✓ moderate	X	X	

**Details:** according to satellite imagery analysis the northern, western, northeastern and northwestern areas have cold Air mass. The southern and southwestern areas have dust storm but the western area has weak dust. almost the all regions have cloudy sky which the height of cloud is about 6- 12 km. The all regions have moderate water vapor.

Reported by: Mohammad Jawed Moradi

UTC: 2026-01-21 08:45

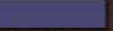
AirMass



Thick,  
high-level cloud



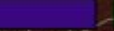
Thick,  
mid-level cloud



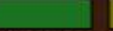
Thick,  
low-level cloud



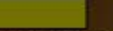
Jet



Cold Airmass



Warm Airmass  
(high UTH)



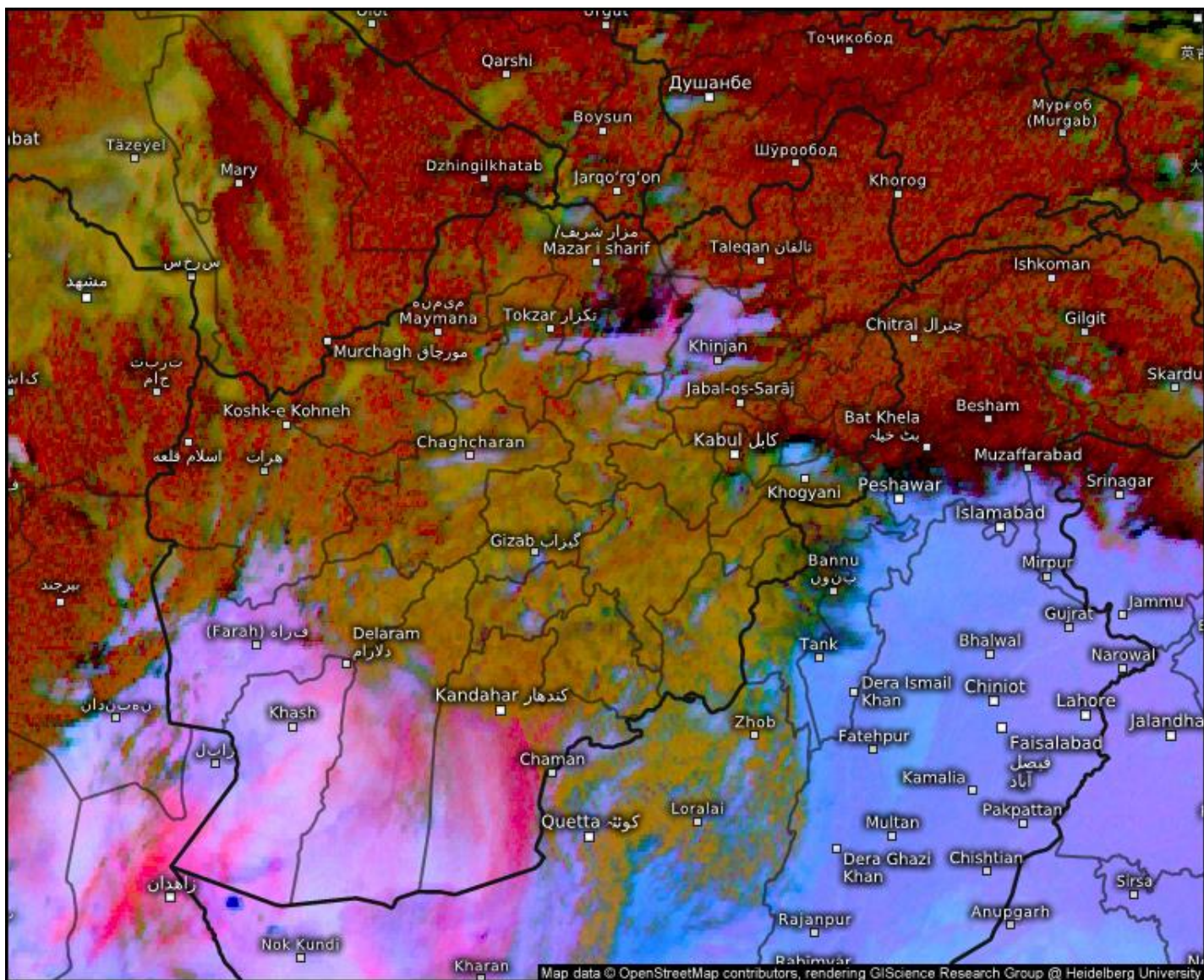
Warm Airmass  
(low UTH)

R = WV (6.25) - WV (7.1)  
G = IR (8.5) - IR (10.8)  
B = WV (6.25)

**FY-4B AirMass RGB Composite (From WMO)**







## Satellite Dust

Wed 01/21/2026, 01:30pm GMT+0430

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Afghanistan

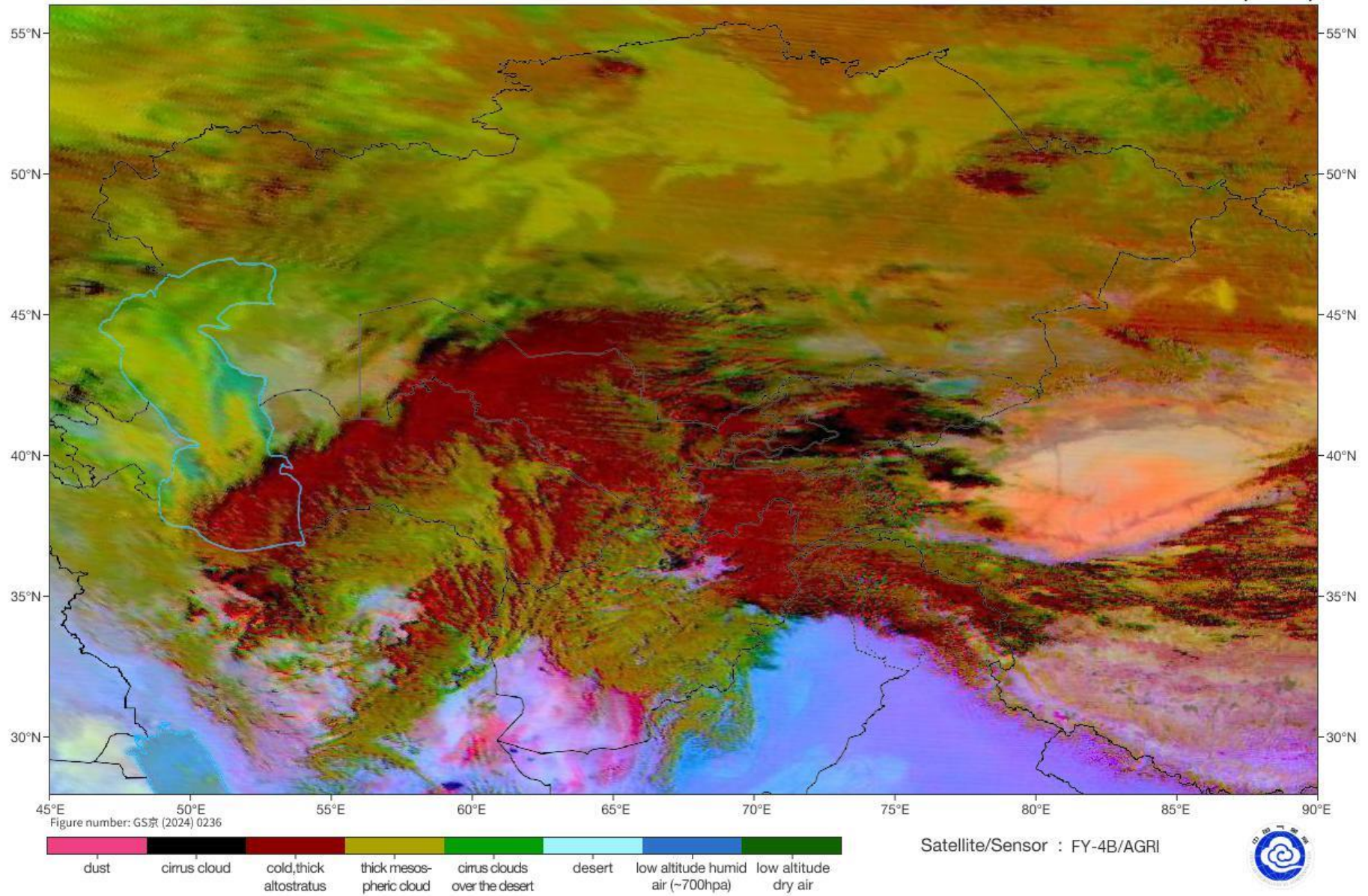
meteologix.com

Satellite data: EUMETSAT



# Sand And Dust Identification

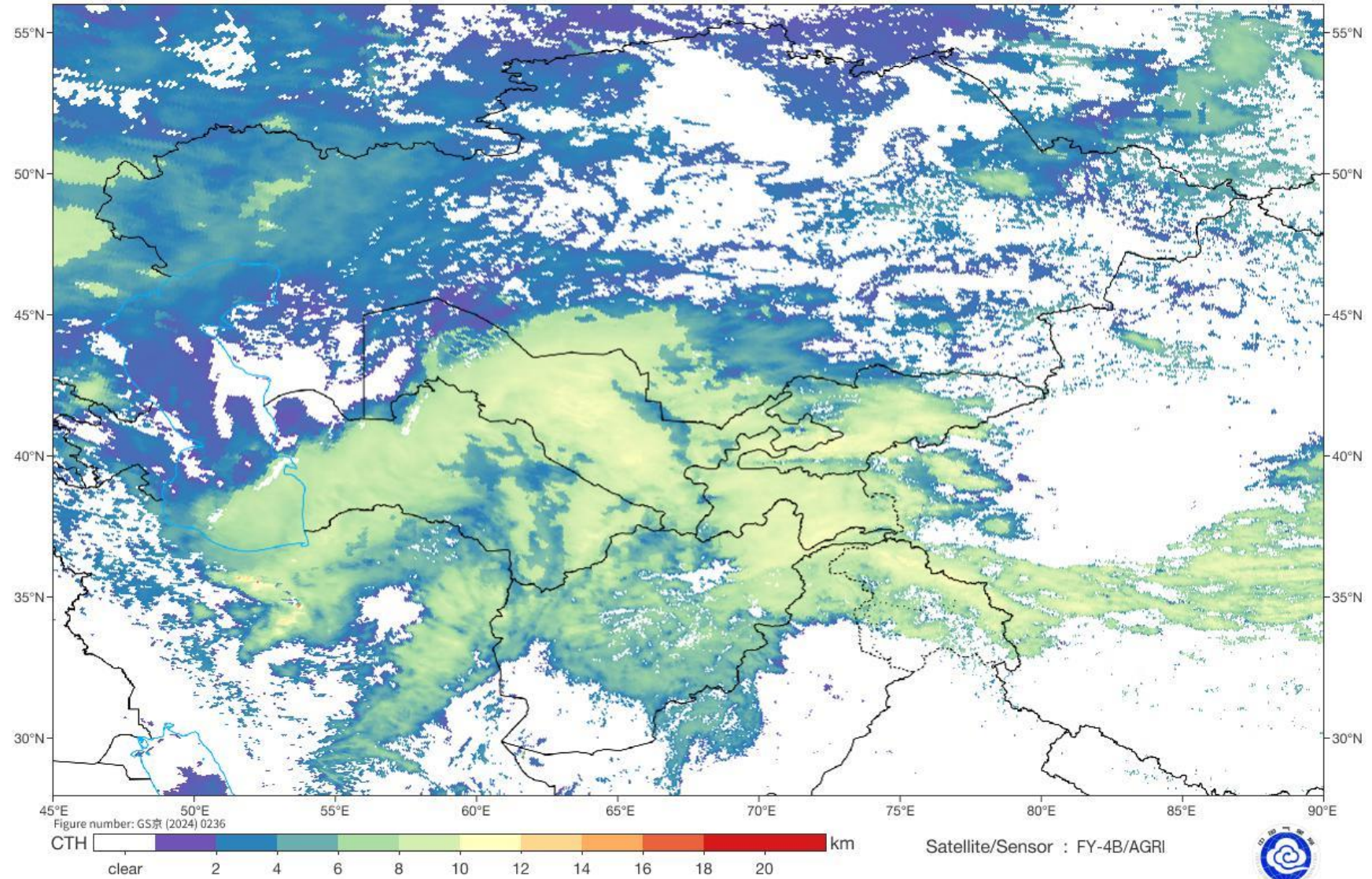
2026-01-21 09:00(UTC)



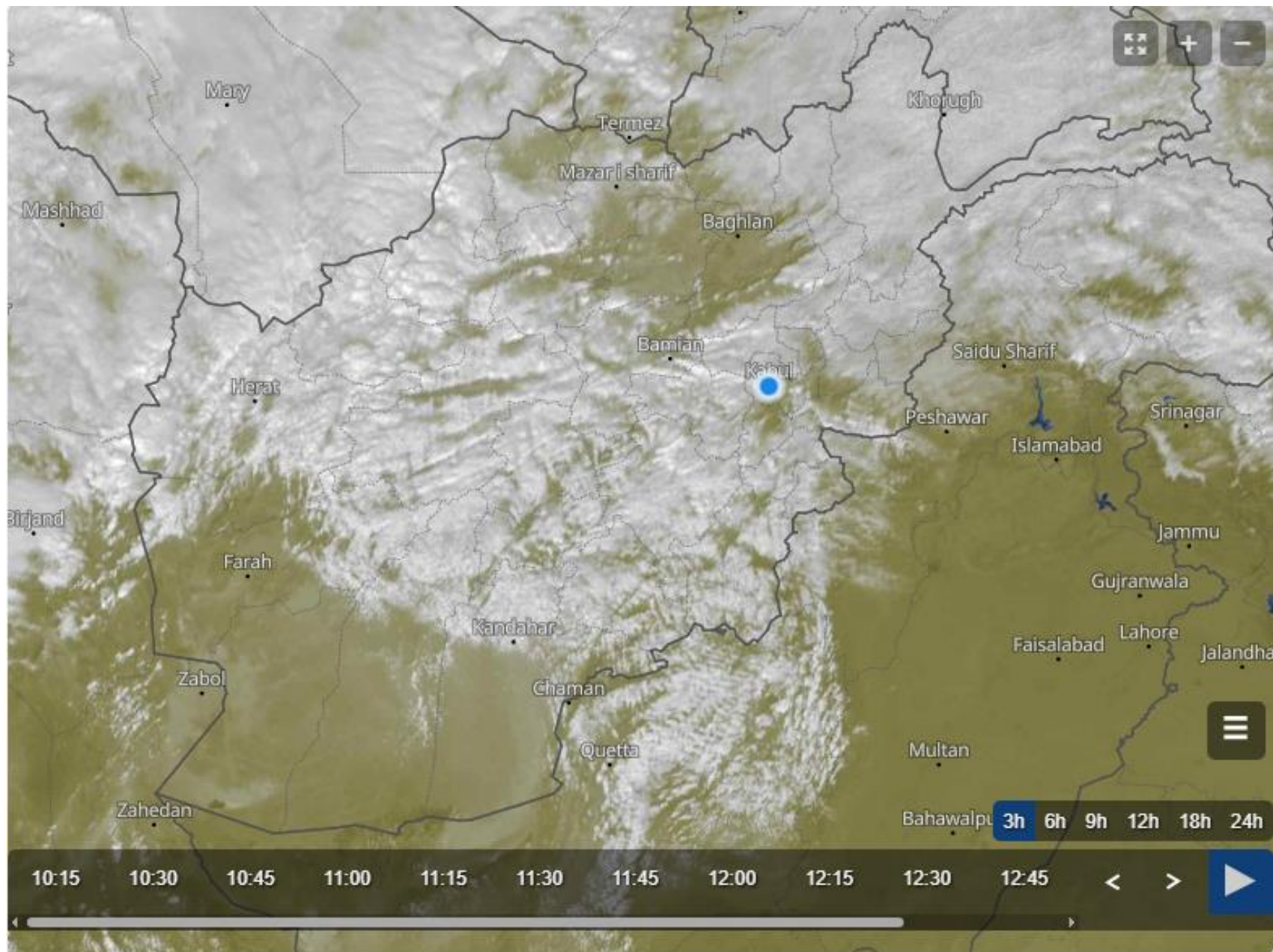


# Cloud Top Height

2026-01-21 09:00(UTC)



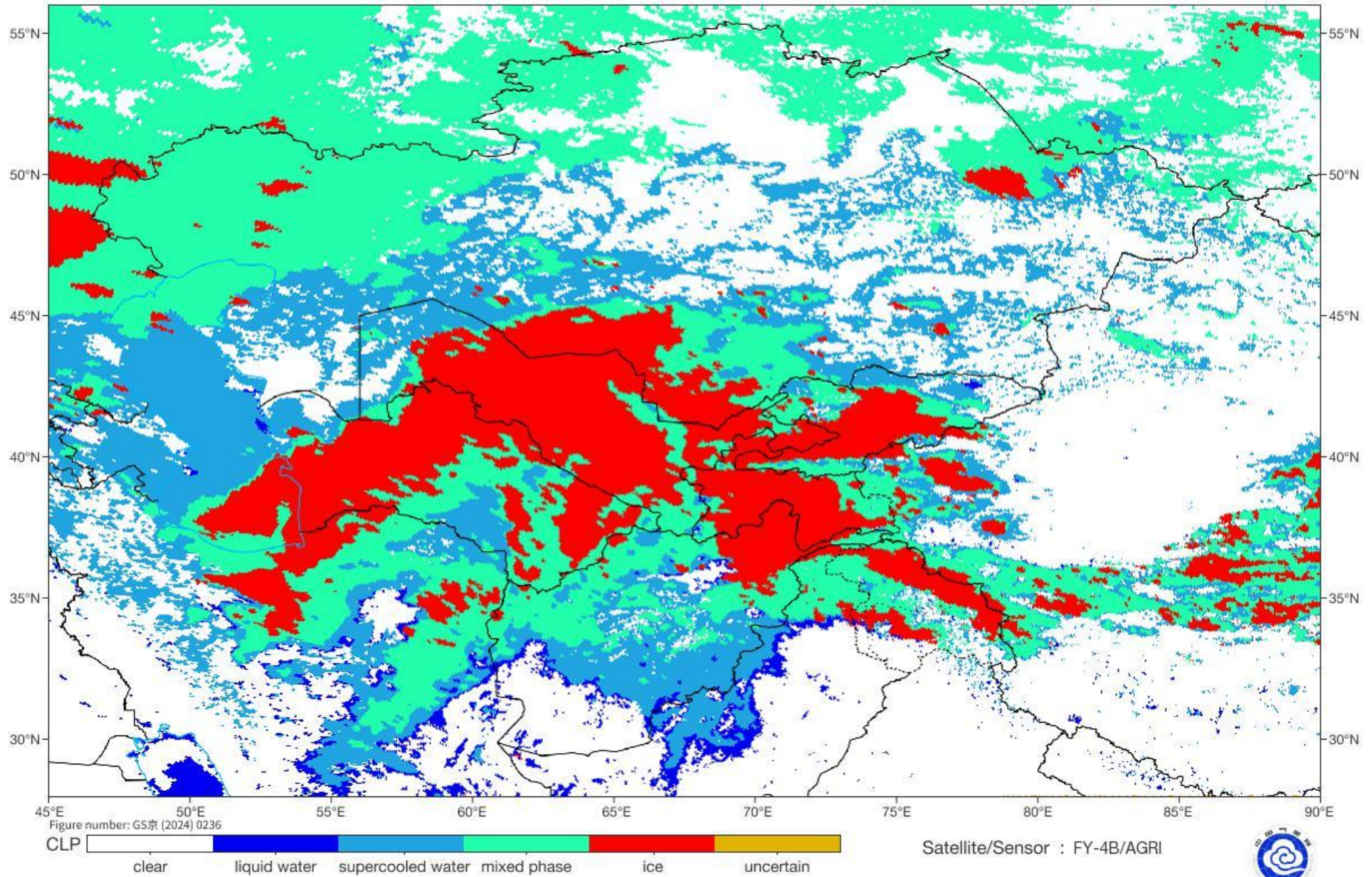




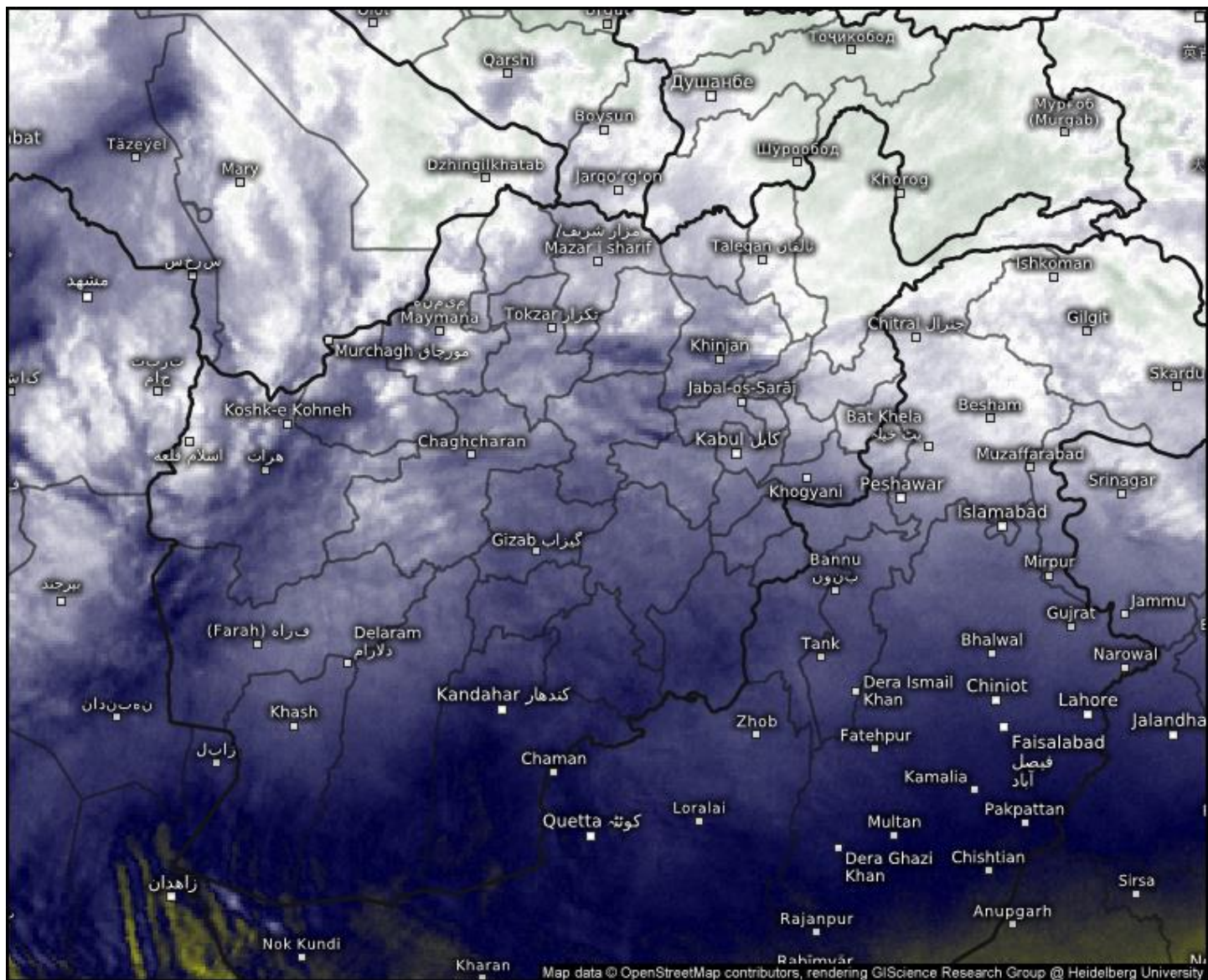


# Cloud Phase

2026-01-21 09:00(UTC)

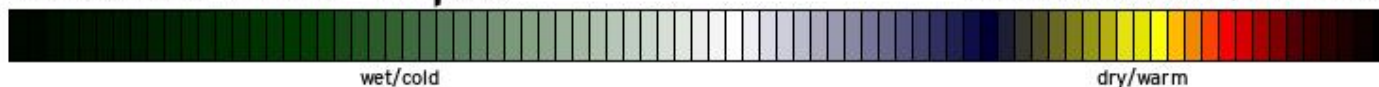






## Satellite Water Vapor

Wed 01/21/2026, 01:30pm GMT+0430



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Afghanistan

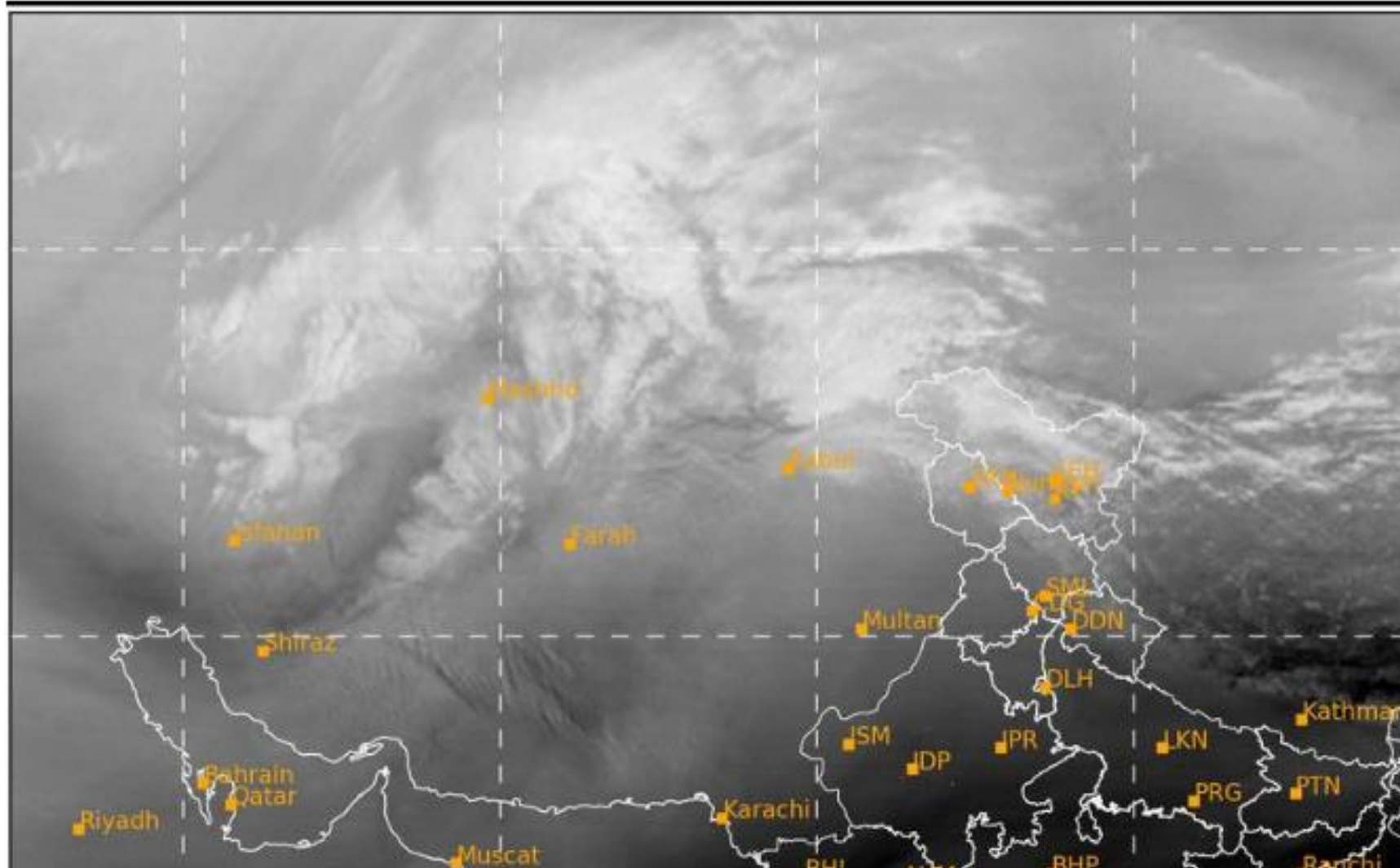
meteologix.com

Satellite data: EUMETSAT



SAT : INSAT-3DR IMG  
IMG\_WV 6.8 um  
LIC Mercator

21-01-2026/(0745 to 0812) GMT  
21-01-2026/(1315 to 1342) IST





SAT : INSAT-3DR IMG  
IMG\_TIR1 10.8 um  
L1C Mercator

21-01-2026/(0745 to 0812) GMT  
21-01-2026/(1315 to 1342) IST

